AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

Listing of Claims:

1. (Currently Amended) An intelligent interactive call handling system, comprising:

a central office operable to trigger a query responsive to receiving a call request for a called party;

a ~~service-control-point~~ call-handling device coupled to the central office, the ~~service-control-point~~ call-handling device operable to receive the query, and trigger an internet call routing query;

an internet call routing system coupled to the ~~service-control-point~~ call-handling device, the internet call routing system being operable to receive the internet call routing query, ~~determine presence of the called party with respect to at least one registered communication device,~~ send a ~~prompt~~ notification of the incoming call to the called party at ~~said at least one~~ a plurality of registered communication devices ~~device responsive to the presence determination, receive a reply from said at least one registered communication device~~ detect which one of the plurality of registered communication devices was used to view the notification first, and route the call ~~responsive to the reply~~ to the registered communication device that was used to view the notification first.

2. (Original) The system of claim 1, further comprising a certificate authority coupled to the internet call routing system, the certificate authority being operable to authenticate the called party by searching a customer database for current subscription and payment information.

3. (Original) The system of claim 1, further comprising a presence engine coupled to the internet call routing system, the presence engine being operable to determine the presence of any of said at least one registered communication device.

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4. (Original) The system of claim 1, wherein the internet call routing query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

5. (Currently Amended) The system of claim 1, further comprising a gateway coupled between the ~~service-control-point~~ call-handling device and the internet call routing system, the gateway being operable to translate protocols between the signaling system-7 protocol and the internet protocol.

6. (Original)   The system of claim 1, further comprising at least one of a short message service server, an electronic mail server, an instant messaging server and a simple object access protocol server, said server(s) being coupled to the internet call routing system, and being operable to forward the ~~prompt~~ notification to a registered communication device responsive to instructions from the internet call routing system.

7. (Currently Amended) An internet call routing system, comprising:
      receive logic operable to receive a call query from a ~~service-control-point~~ call-handling device via a gateway;
      ~~presence logic coupled to the receive logic, the presence logic being operable to determine whether a called party associated with the call query is present with respect to at least one registered communication device associated with the called party;~~
      ~~user-interface~~ call notification logic ~~coupled to the presence logic, the user-interface logic~~ being operable to send a ~~prompt~~ notification to the called party via ~~said at least one~~ a plurality of registered communication ~~device~~ devices ~~responsive to the presence determination,~~ and ~~receive a reply from the called party~~ detect which one of the plurality of registered communication devices is the first to be used to view the notification; and
      forwarding logic coupled to the ~~user-interface~~ call notification logic, the forwarding logic being operable to forward a call associated with the call query

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~~responsive to the reply~~ <u>to the registered communication device that was the first to be used to view the notification.</u>

8. (Original) The system of claim 7, further comprising:

a database operable to store a profile associated with the called party including a list comprising said at least one registered communication device, the database being operable to provide the list associated with the called party to the presence logic.

9. (Currently Amended) The system of claim 7, wherein the ~~user interface~~ <u>call notification</u> logic comprises at least one of a short message server, an electronic mail server, a simple object access protocol server, and an instant messaging server.

10. (Original) The system of claim 7, wherein the call query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

11. (Original) The system of claim 10, further comprising authentication logic coupled to the receive logic operable to employ the certificate associated with the called party to authenticate the called party.

12. (Original) The system of claim 11, wherein the authentication logic authenticates the called party, and assures that the called party continues to subscribe to a service provided by the internet call routing system.

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13. (Currently Amended) The system of claim 7, further comprising a rules engine, ~~the rules engine being coupled to the presence logic~~, the rules engine being operable to parse at least one rule associated with the called party, and ~~the~~ user-interface logic is operable to send a prompt to the called party via said at least one registered communication device responsive to the presence determination and rules engine, and receive a reply from the called party.

14. (Original) The system of claim 7, wherein said at least one registered communication device comprises at least one of a cellular phone and an internet protocol phone.

15. (Currently Amended) A method of providing intelligent interactive call handling, comprising the steps of:

receiving a call query from a ~~service control point~~ call-handling device via a gateway;

~~determining whether a called party associated with the call query is present with respect to at least one registered communication device associated with the called party;~~

sending a ~~prompt~~ notification to the called party via ~~said at least one~~ a plurality of registered communication ~~device~~ devices ~~responsive to the presence determination~~;

~~receiving a reply from the called party via said at least one registered communication device~~

detecting which one of the plurality of registered communication devices is the first to be used to view the notification; and

connecting the call ~~responsive to the reply~~ to the registered communication device that was the first to be used to view the notification.

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16. (Currently Amended) The method of claim 15, wherein the method further comprises:

storing a profile associated with the called party including a list comprising ~~said at least one~~ the registered communication ~~device~~ devices~~, the database being operable to provide the list associated with the called party to the presence logic~~.

17. (Currently Amended) The method of claim 16, wherein the method further comprises:

storing a profile associated with the called party, the profile also including at least one rule for sending ~~the~~ a prompt to the called party.

18. (Currently Amended) The method of claim 17, further comprising:

parsing said at least one rule prior to sending the prompt to the called party; and

sending a message to the called party via ~~said~~ at least one registered communication device responsive to the parsing ~~and the presence determination~~.

19. (Original) The method of claim 18, wherein the prompt is an internet-based message.

20. (Currently Amended) The method of claim 15, further comprising:

using at least one of a short message server, an electronic mail server, a simple object access protocol server, and an instant messaging server, to send the ~~message~~ notification to the called party via said ~~at least one~~ plurality of registered communication ~~device~~ devices ~~responsive to the presence determination~~.

21. (Currently Amended) The method of claim 20, wherein said ~~at least one~~ plurality of registered communication ~~device~~ devices includes at least one of a cellular phone and an internet protocol phone.

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22. (Original) The method of claim 15, wherein the call query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

23. (Original) The method of claim 22, further comprising using the certificate associated with the called party to authenticate the called party.

24. (Currently Amended) A ~~method~~ computer readable medium having a program for ~~of~~ providing intelligent interactive call handling, the program having instructions for performing ~~comprising~~ the steps of:

receiving a call query from a ~~service control point~~ call-handling device via a gateway;

~~determining whether a called party associated with the call query is present with respect to at least one registered communication device associated with the called party;~~

sending a ~~prompt~~ notification to the called party via ~~said at least one~~ a plurality of registered communication ~~device~~ devices ~~responsive to the presence determination~~;

~~receiving a reply from the called party via said at least one registered communication device~~

detecting which one of the plurality of registered communication devices is the first to be used to view the notification; and

connecting the call ~~responsive to the reply~~ to the registered communication device that was the first to be used to view the notification.

25. (Currently Amended) The ~~method~~ computer readable medium of claim 24, wherein the ~~method further comprises~~ program further performs:

storing a profile associated with the called party including a list comprising ~~said at least one~~ the registered communication ~~device~~ devices~~, the database being operable to provide the list associated with the called party to the presence logic~~.

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26. (Currently Amended) The ~~method~~ computer readable medium of claim 25, wherein the ~~method further comprises~~ program further performs:

storing a profile associated with the called party, the profile also including at least one rule for sending ~~the~~ a prompt to the called party.

27. (Currently Amended) The ~~method~~ computer readable medium of claim 26, the program further ~~comprising~~ performing:

parsing said at least one rule prior to sending the prompt to the called party; and

sending a message to the called party via ~~said~~ at least one registered communication device responsive to the parsing ~~and the presence determination~~.

28. (Currently Amended) The ~~method~~ computer readable medium of claim 27, wherein the prompt is an internet-based message.

29. (Currently Amended) The ~~method~~ computer readable medium of claim 24, the program further ~~comprising~~ performing:

using at least one of a short message server, an electronic mail server, a simple object access protocol server, and an instant messaging server, to send the ~~message~~ notification to the called party via said at least one registered communication device responsive to the presence determination.

30. (Currently Amended) The ~~method~~ computer readable medium of claim 29, ~~at least one~~ plurality of registered communication ~~device~~ devices includes at least one of a cellular phone and an internet protocol phone.

31. (Currently Amended) The ~~method~~ computer readable medium of claim 24, wherein the call query comprises an account number associated with the called party, a phone number associated with the called party, a registration identification associated with the called party, and a certificate associated with the called party.

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32. (Currently Amended) The ~~method~~ <u>computer readable medium</u> of claim 31, <u>the</u> <u>program</u> further ~~comprising~~ <u>performing</u> using the certificate associated with the called party to authenticate the called party.

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